OIPE
FEB 10 2 2004
JC24
PATENT & TRADEMARK OFFICE

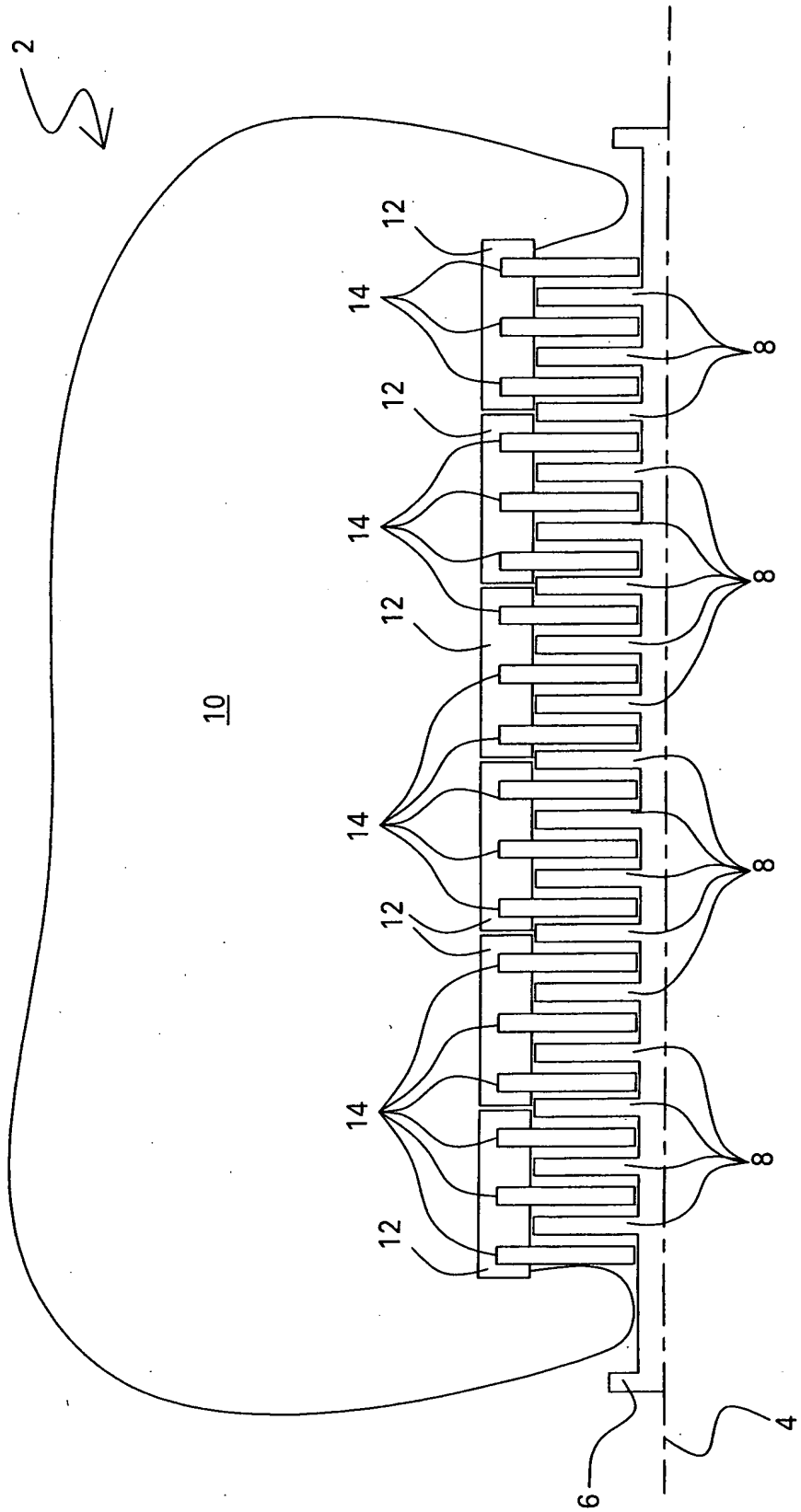

FIG.1

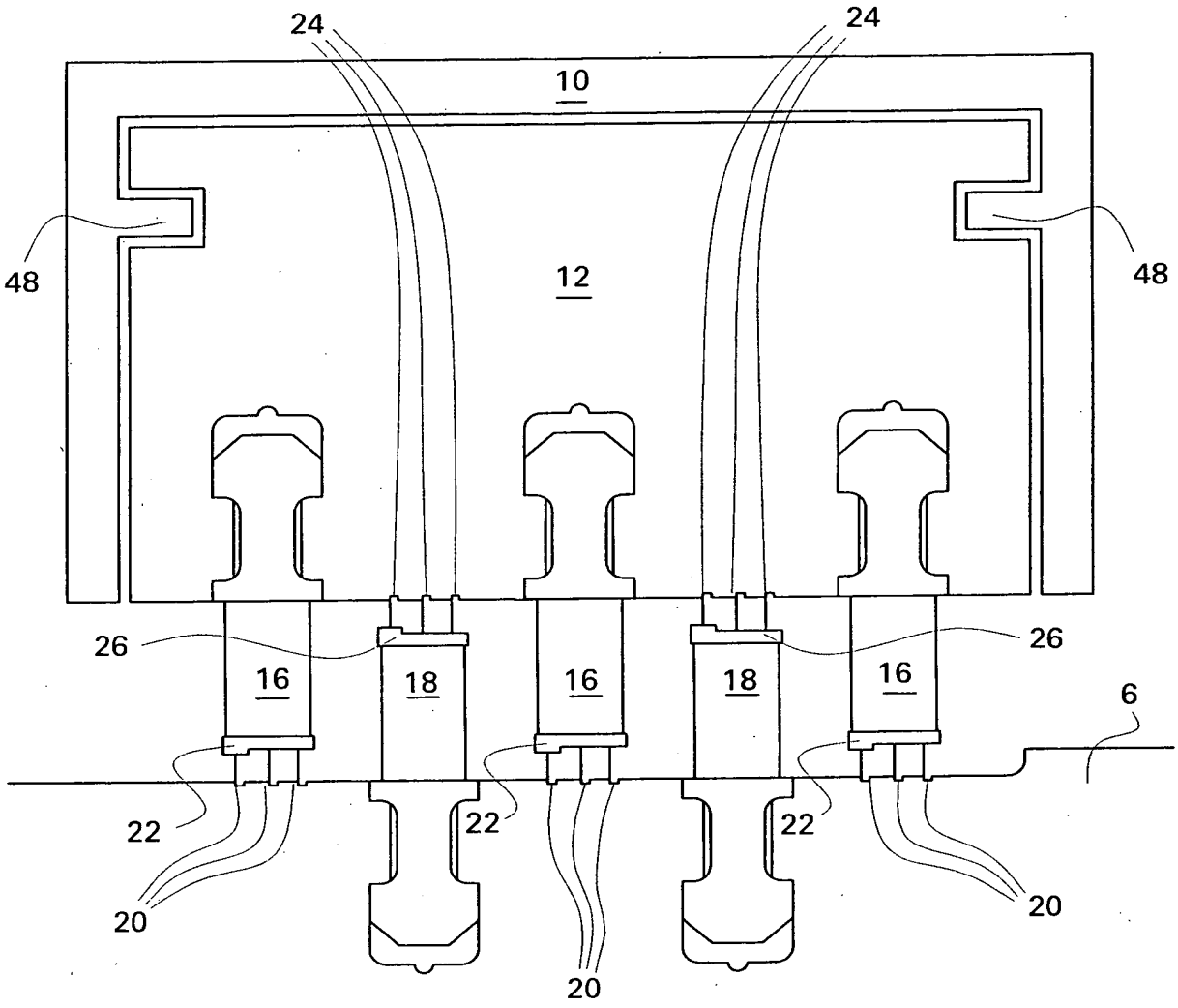

FIG.2

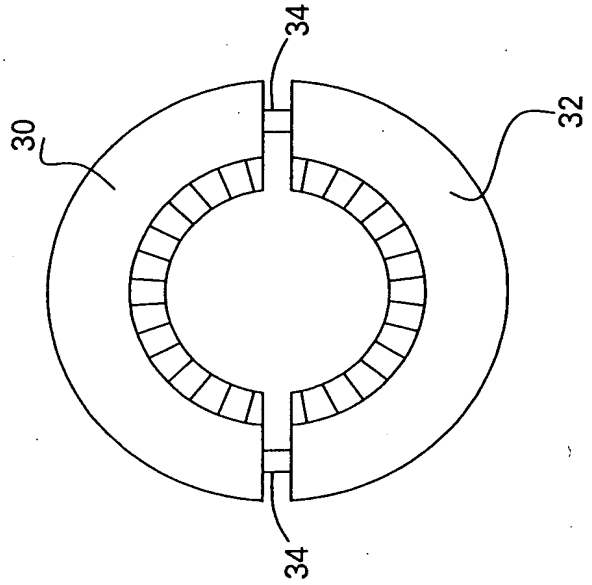

FIG.4

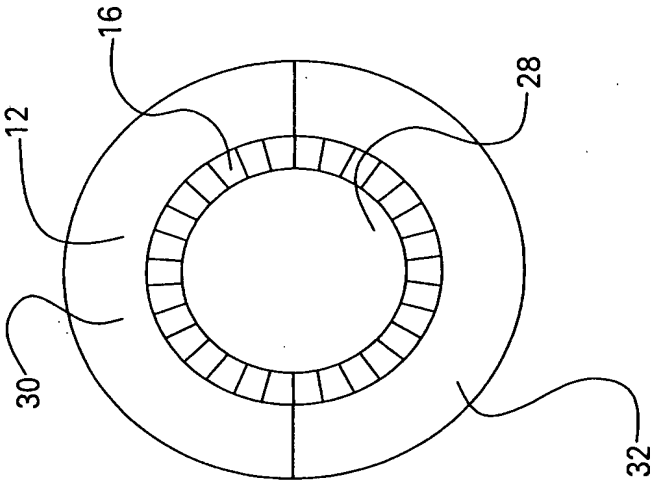

FIG.3

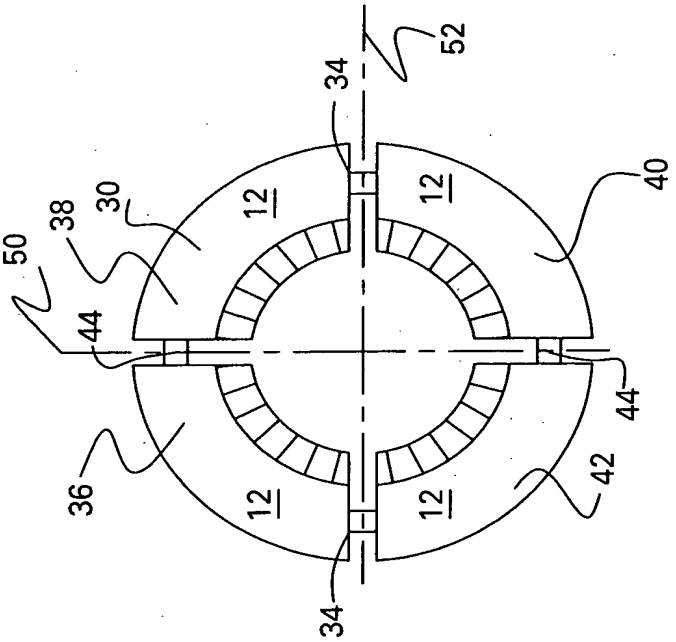

FIG.6

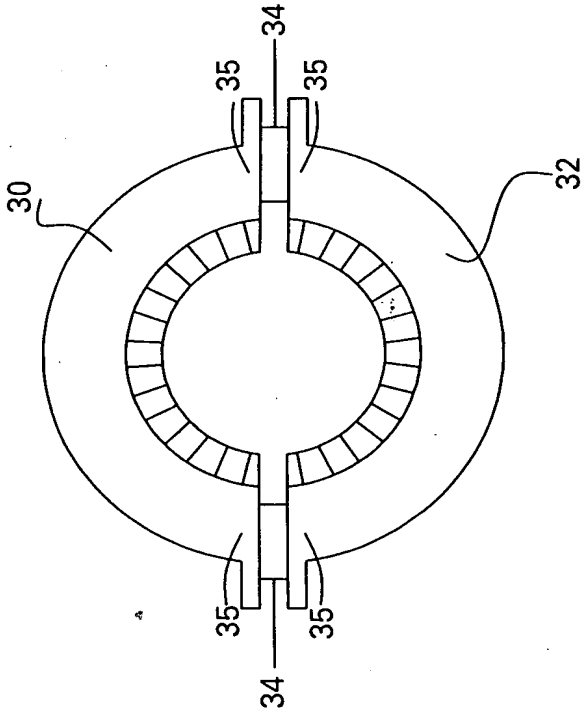

FIG.5

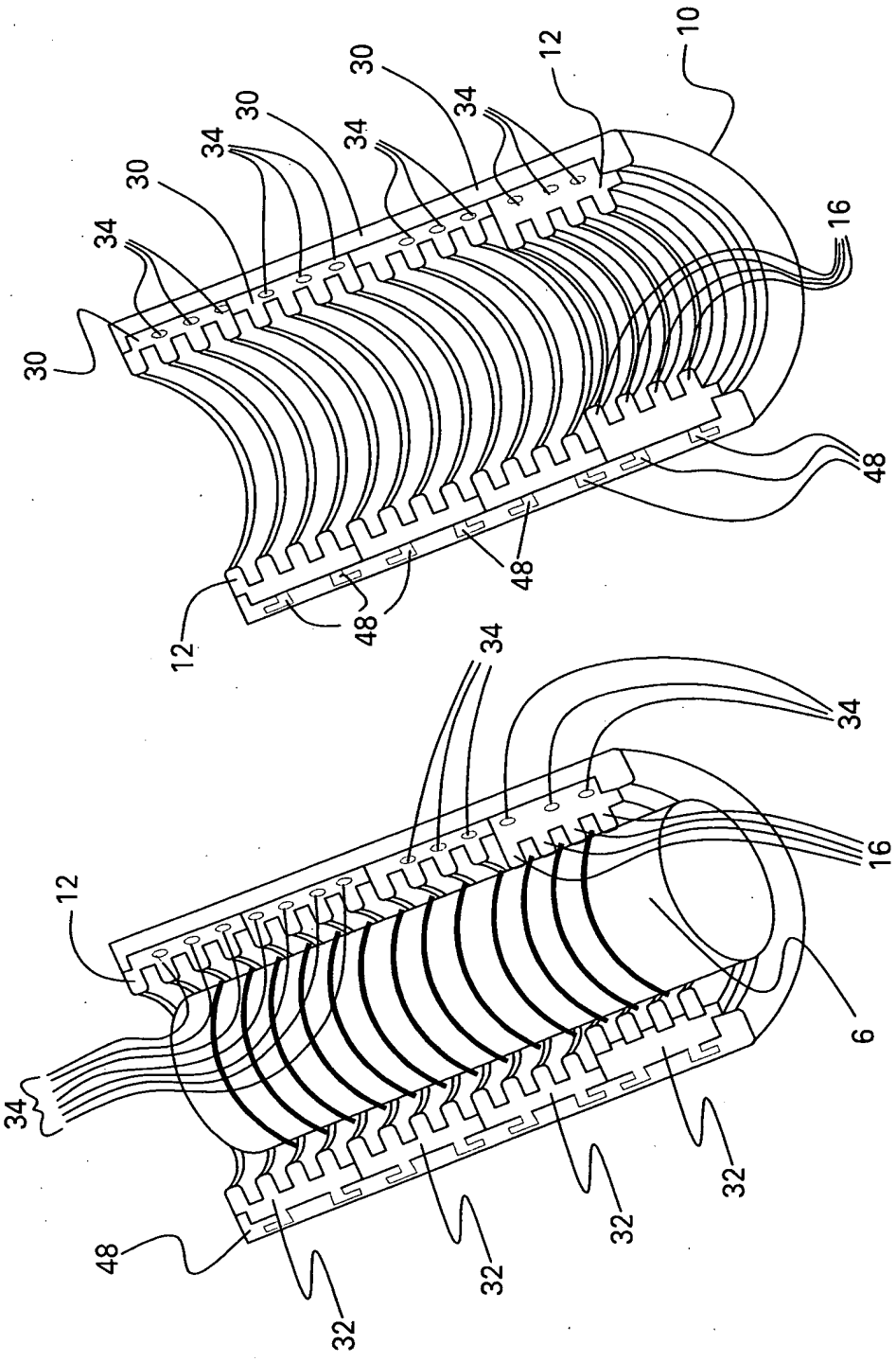

FIG.7

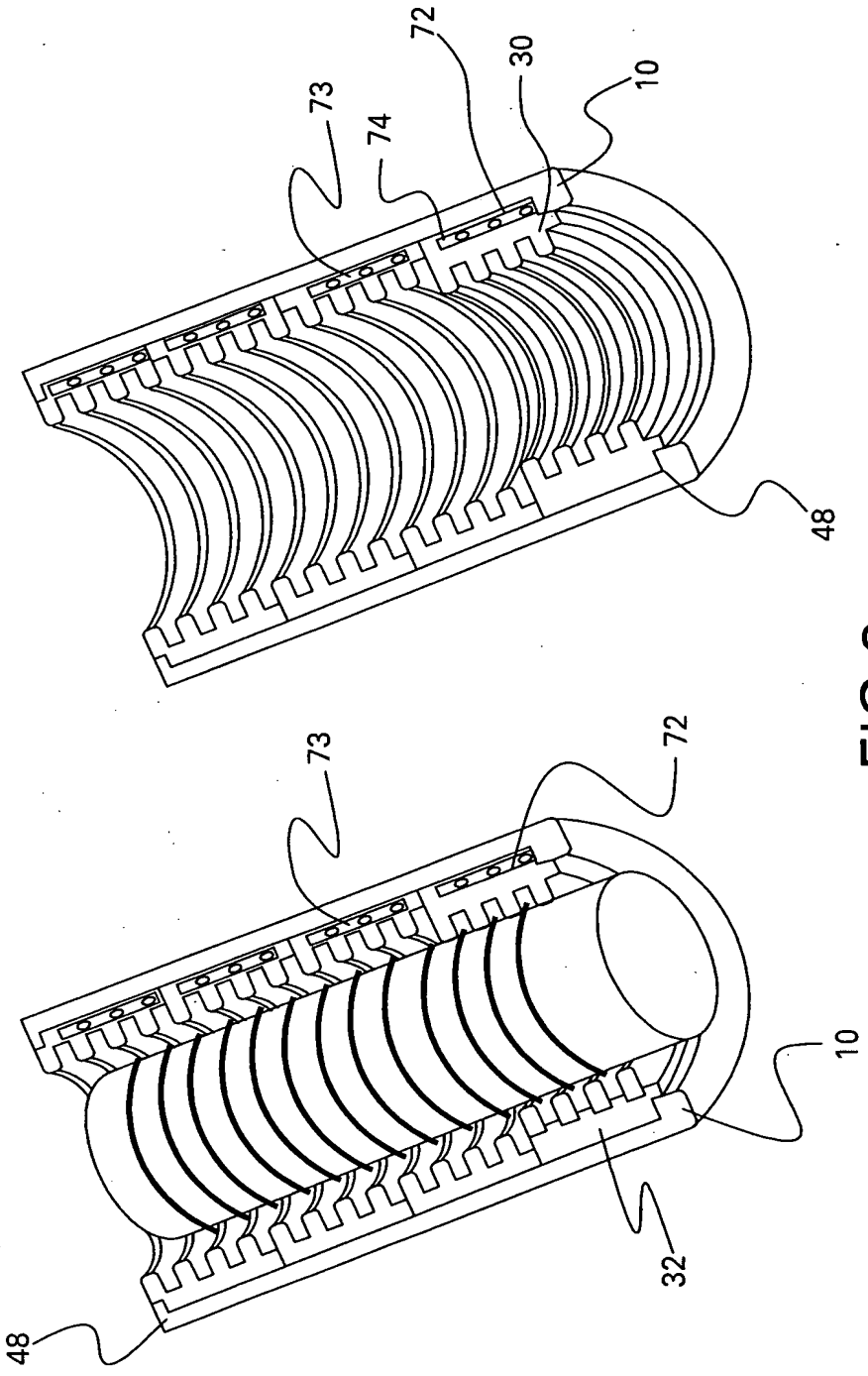

FIG.8

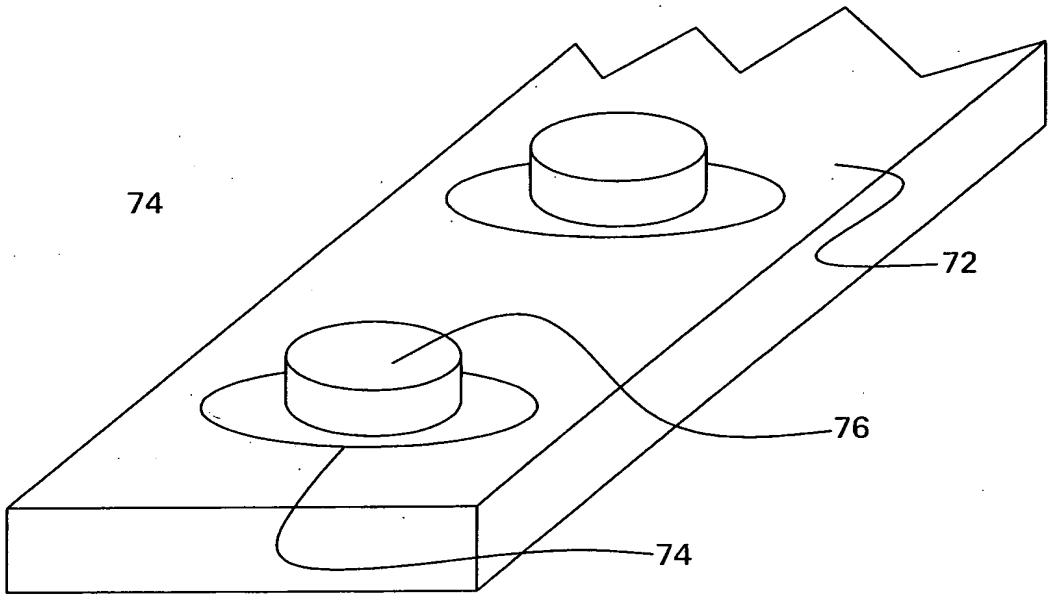

FIG.9

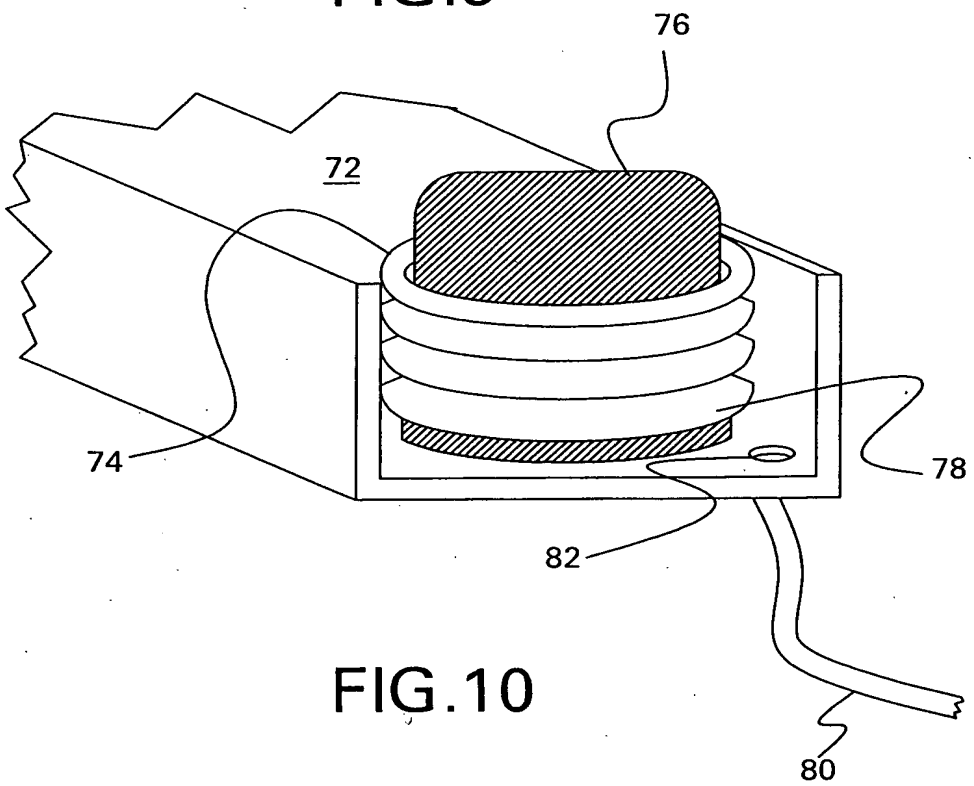

FIG.10

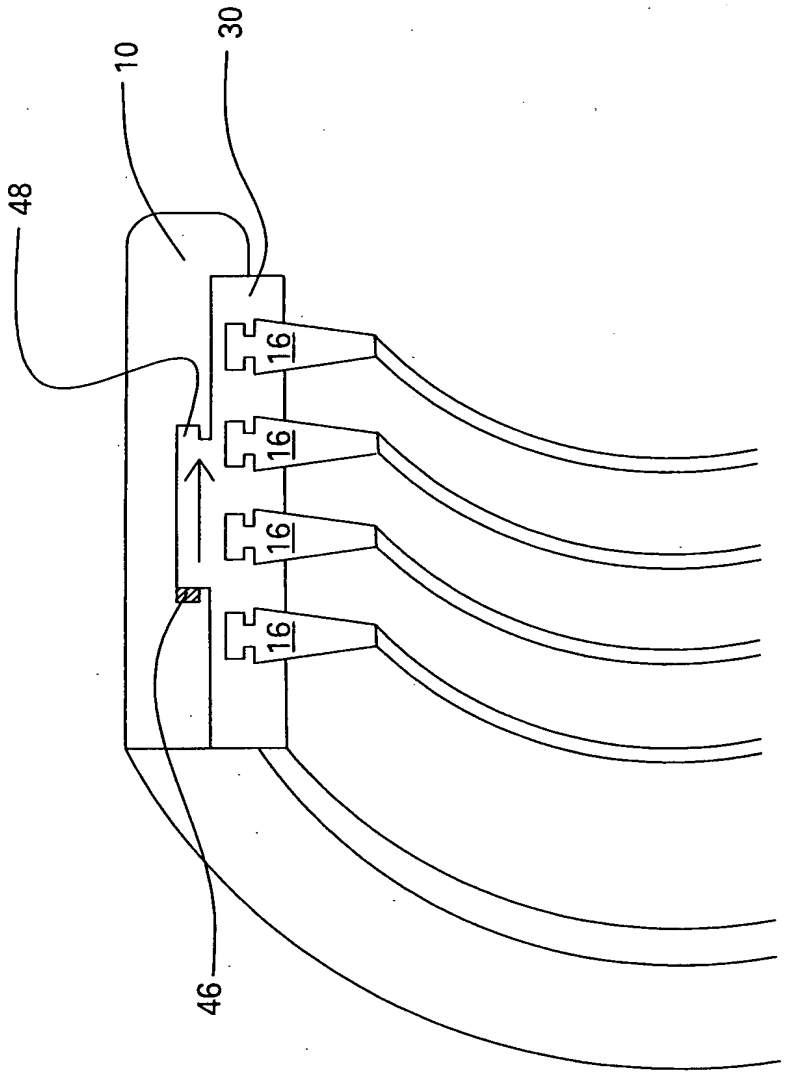

FIG.11

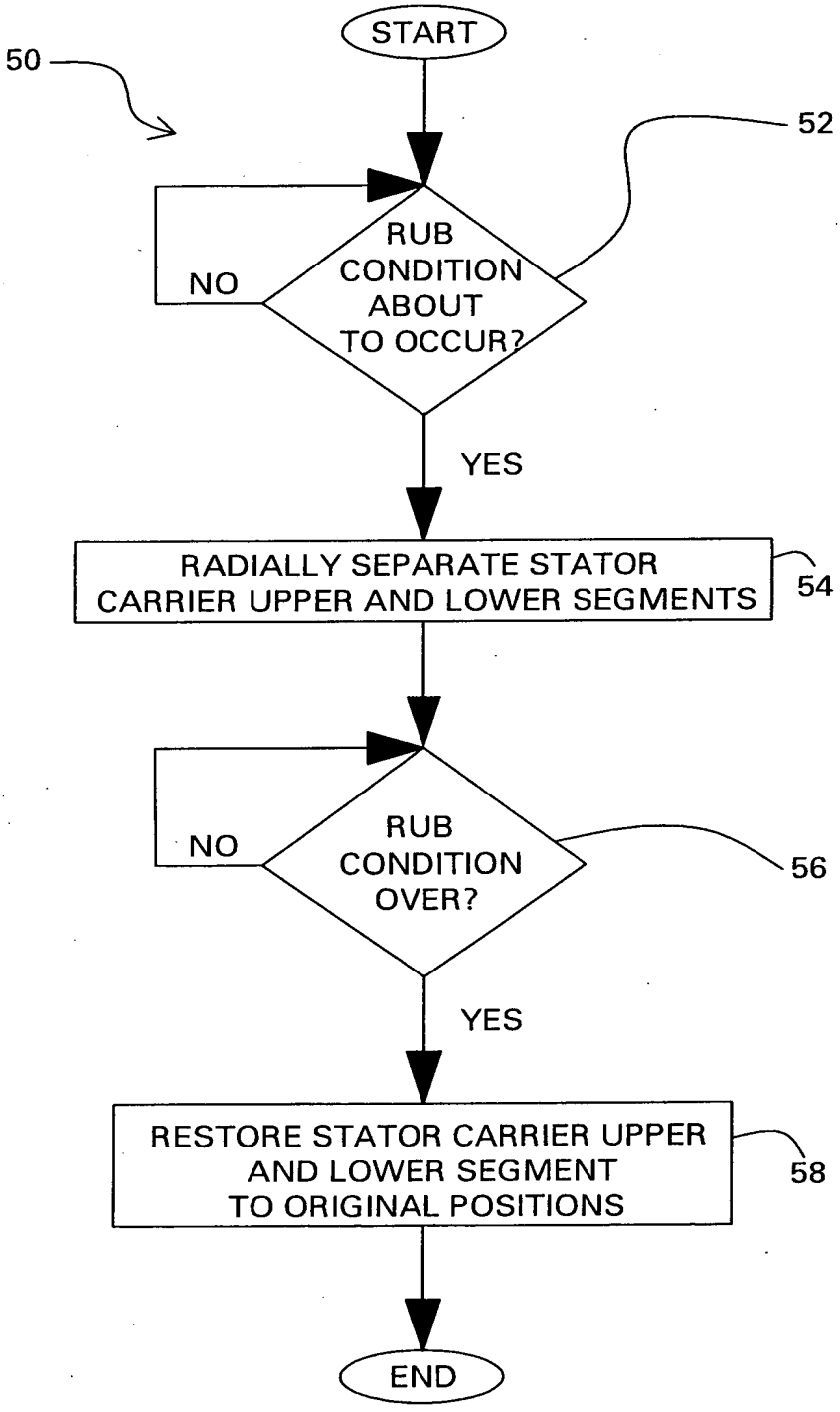
START
50
52
RUB CONDITION ABOUT TO OCCUR?
NO
YES
RADIALLY SEPARATE STATOR CARRIER UPPER AND LOWER SEGMENTS
54
RUB CONDITION OVER?
NO
56
YES
RESTORE STATOR CARRIER UPPER AND LOWER SEGMENT TO ORIGINAL POSITIONS
58
END

FIG.12

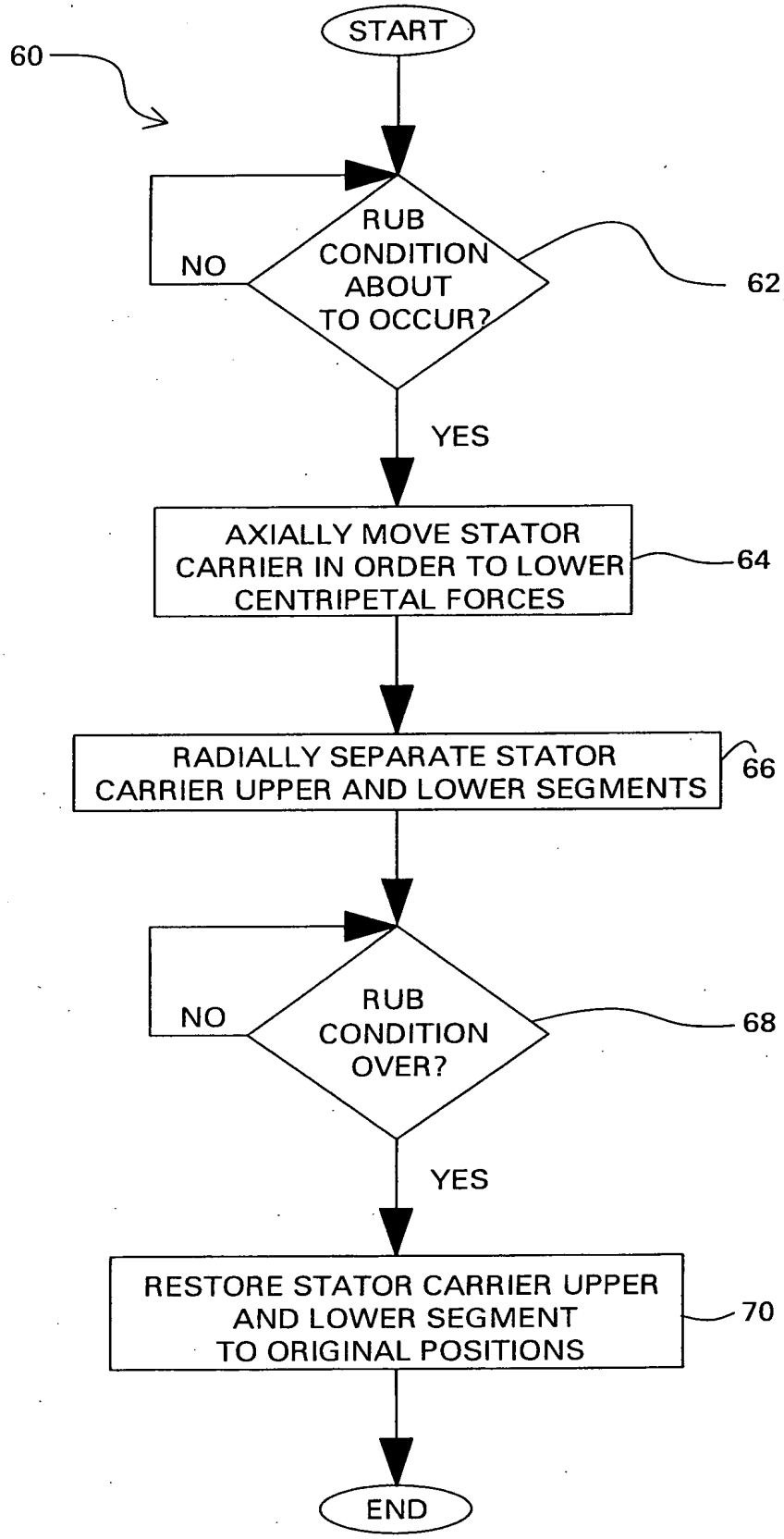
START
60
RUB CONDITION ABOUT TO OCCUR?
NO
62
YES
AXIALLY MOVE STATOR CARRIER IN ORDER TO LOWER CENTRIPETAL FORCES
64
RADIALLY SEPARATE STATOR CARRIER UPPER AND LOWER SEGMENTS
66
RUB CONDITION OVER?
NO
68
YES
RESTORE STATOR CARRIER UPPER AND LOWER SEGMENT TO ORIGINAL POSITIONS
70
END

FIG.13